

SEQUENCE LISTING

<110> HOWARD A. FIELDS AND YURY E. KHUDYAKOV

<120> ANTIGENIC EPITOPES AND MOSAIC POLYPEPTIDES OF HEPATITIS C VIRUS
PROTEINS

<130> 14114.0349U2

<140> PCT/US99/15578

<141> 1999-09-07

<150> 60/092,339

<151> 1999-07-10

<160> 5

<170> PatentIn version 3.0

<210> 1

<211> 91

<212> PRT

<213> Hepatitis C Virus

<400> 1

Met Ser Thr Asn Pro Lys Pro Gln Arg Lys Thr Lys Arg Asn Thr Asn
1 5 10 15

Arg Arg Pro Gln Asp Val Lys Phe Pro Gly Gly Gly Gln Ile Val Gly
20 25 30

Gly Val Tyr Leu Leu Pro Arg Arg Gly Pro Arg Leu Gly Val Arg Ala
35 40 45

Thr Arg Lys Thr Ser Glu Arg Ser Gln Pro Arg Gly Arg Arg Gln Pro
50 55 60

Ile Pro Lys Ala Arg Arg Pro Glu Gly Arg Thr Trp Ala Gln Pro Gly
65 70 75 80

$\langle 400 \rangle$ 2

Val	Pro	His	Pro	Asn	Ile	Glu	Glu	Val	Ala	Leu	Ser	Asn	Thr	Gly	Glu
1				5					10					15	

Ile Pro Phe Tyr Gly Lys Ala Ile Pro Ile Glu Ala Ile Lys Gly Gly
20 25 30

Arg His Leu Ile Phe Cys His Ser Lys Lys Lys Cys Asp Glu Leu Ala
35 40 45

Ala Lys Leu Thr Gly Leu Gly Leu Asn Ala Val Ala Tyr Tyr Arg Gly
50 55 60

Leu Asp Val Ser Val Ile Pro Thr Ser Gly Asp Val Val Val Ala Thr
65 70 75 80

Asp Ala Leu Met Thr Gly Phe Thr Gly Asp Phe Asp Ser Val Ile Asp
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Cys Asn Thr Cys Val Thr
100

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<212> PRT
<213> Hepatitis C Virus
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<400> 3

Ser Val Val Ile Val Gly Arg Ile Ile Leu Ser Gly Arg Pro Ala Val
1 5 10 15

Ile Pro Asp Arg Glu Val Leu Tyr Gln Glu Phe Asp Glu Met Glu Glu
20 25 30

Cys Ala Ser His Leu Pro Tyr Ile Glu Gln Gly Met Gln Leu Ala Glu
35 40 45

Gln Phe Lys Gln Lys Ala Leu Gly Leu Leu Gln Thr Ala Thr Lys Gln
 50 55 60
 Ala Glu Ala Ala Ala Pro Val Val Glu Ser Lys Trp Arg Ala Leu
 65 70 75

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 <212> PRT
 <213> Hepatitis C Virus

<400> 4

Met Asn Arg Leu Ile Ala Phe Ala Ser Arg Gly Asn His Val Ser Pro
 1 5 10 15

Thr His Tyr Val Pro Glu Ser Asp Ala Ala Ala Arg Val Thr Gln Ile
 20 25 30

Leu

<210> 5
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 <212> PRT
 <213> Hepatitis C Virus

<400> 5

Lys Ala Thr Cys Thr Thr His His Asp Ser Pro Asp Ala Asp Leu Ile
 1 5 10 15

Glu Ala Asn Leu Leu Trp Arg Gln Glu Met Gly Gly Asn Ile Thr Arg
 20 25 30

Val Glu Ser Glu Asn Lys Val Val Ile Leu Asp Ser Phe Asp Pro Ile
 35 40 45

Arg Ala Val Glu Asp Glu Arg Glu Ile Ser Val Pro Ala Glu Ile Leu
 50 55 60

Arg Lys Pro Arg Lys Phe Pro Pro Ala Leu Pro Ile Trp Ala Arg Pro
 65 70 75 80

Asp Tyr Asn Pro Pro Leu Leu Glu Ser Trp Lys Asp Pro Asp Tyr Val
 85 90 95

Pro Pro Val Val His Gly
 100